

## Reaction of 2-acetyl-5-methyl-2H-1,2,3-diazaphosphole with butane-2,3-diol

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### Abstract

The reaction of 2-acetyl-5-methyl-2H-1,2,3-diazaphosphole with (rac)-butane-2,3-diol at temperatures below 0 °C leads to the formation of a hydrospiroposphorane containing both a diazaphospholene and a dioxaphospholane ring system and a  $\beta$ -hydroxy-alkoxy-1-,3-diazaphospholene. On heating, these products form a hydrospirotetraoxaphosphorane, its tautomeric monocyclic  $\beta$ -hydroxyalkylphosphite and N-acetyl-N'-isopropylidene-hydrazine.

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